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- Arai, Takao  
Yokohama-shi, Kanagawa-ken 226-0028 (JP)
- Takeuchi, Toshifumi  
Tokyo 144-0051 (JP)
- Yoshiura, Hiroshi, 102 Berugureisu-miyazakidai  
Kawasaki-shi, Kanagawa-ken 216-0033 (JP)

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(71) Applicant: **HITACHI, LTD.**  
**Chiyoda-ku, Tokyo (JP)**

(74) Representative: **Calderbank, Thomas Roger et al  
MEWBURN ELLIS  
York House  
23 Kingsway  
London WC2B 6HP (GB)**

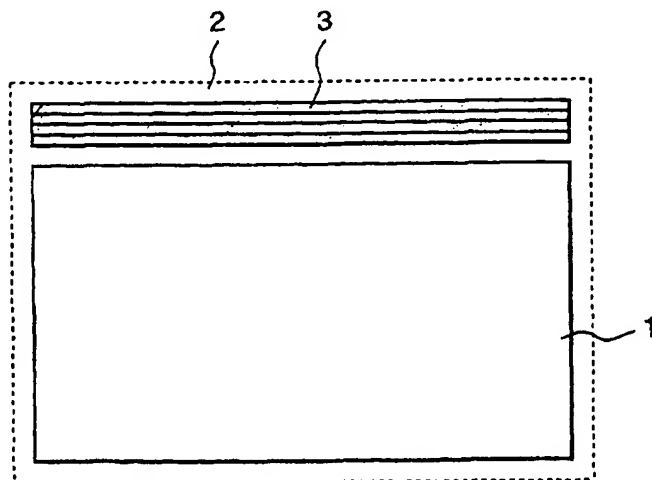
(72) Inventors:  
• Kimura, Hiroyuki  
Hiratsuka-shi, Kanagawa-ken 259-1216 (JP)

(54) **Method and apparatus for recording and reproducing electronic watermark information, and recording medium**

(57) At recording of a video signal, with electronic watermark information being embedded therein, on a recording medium, a reference signal which is formed

differently from the watermark information is inserted to the video signal. At reproduction of the video signal, the luminance of the watermark information is modified based on the reference signal.

**FIG. 1**



## EUROPEAN SEARCH REPORT

EPO FORM 1503 03.82 (P04C01)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	<p>EP 0 441 702 A (TELEDIFFUSION DE FRANCE) 14 August 1991 (1991-08-14)</p> <p>* the whole document * -----</p>	<p>1,2,7,8, 13,14, 20,21, 24-26, 33-36, 38,41</p>	<p>H04N5/913</p>
			<p>TECHNICAL FIELDS SEARCHED (Int.Cl.6)</p> <p>H04N</p>
<p><del>The present search report has been drawn up for all claims</del></p>			
<p>Place of search</p> <p>THE HAGUE</p>		<p>Date of completion of the search</p> <p>6 September 2000</p>	<p>Examiner</p> <p>VERLEYE, J</p>
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone  Y : particularly relevant if combined with another document of the same category  A : technological background  O : non-written disclosure  P : intermediate document</p> <p>T : theory or principle underlying the invention  E : earlier patent document, but published on, or after the filing date  D : document cited in the application  L : document cited for other reasons</p> <p>.....  &amp; : member of the same patent family, corresponding document</p>			



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Application Number

EP 98 30 6484

### CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-15, 20-26, 33-41



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**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number  
EP 98 30 6484

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

**1. Claims: 1-15,20-26,33-41**

Recording and/or reproducing video signals, wherein electronic watermark information is embedded in the video signals, together with a reference signal, inserted in the video signals at a position different from the position of the watermark information.

**2. Claims: 16-19,27-32**

Method and apparatus for recording video signals including electronic watermark information, wherein the watermark information is embedded in a position of the video signal, depending on the luminous value of the luminance signal included in the video signals.

